

Work Order ID 70620

Monday, June 13, 2011 12:45:55 PM



Page 1

Item ID: D3484-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Tail Light Fairing Assembly, LH

Start Date: 6/10/2011 Start Qty: 8.00



Cust Item ID:

Required Date: 6/22/2011 Req'd Qty: 8.00



Customer:

Reference:

Approvals:

Process Plan:

[Signature]

Date: *11-06-13*

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D3484	Rev F

100 0.00



Purchasing

Memo

0.00

Purchasing

Issue P/O: *14274*
Make as per Dwg D3484
Material release note is required

CL 11/06/13 (8)

110 0.00



Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

0.00

Packaging

P 11/17/14 (8)

115 0.00



Large Fab

Weld per dwg A/R Aluminum rod Batch: *1114703*

Memo

0.00

Large Fab

Touch up weld if necessary

11-07-18

2 f

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Page 2

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Required Date: 6/22/2011 Req'd Qty: 8.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC9- Inspect visual per QSI004- Fusion Welds	0.00							
QC	Memo	0.00							
Quality Control									
130	QC6- Inspect dimensions to drawing	0.00							
QC	Memo	0.00							
Quality Control									
140	Chemical Conversion Coat per QSI005 4.1	0.00							
HandFinish	Memo	0.00							
Hand Finishing									

x B O BE11/07/18

LS
H

86H 6 H. Lashko

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng Prod Mgr	Approval QC Inspector

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Page 3

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Start Date: 6/10/2011 Start Qty: 8.00

Cust Item ID:

Required Date: 6/22/2011 Req'd Qty: 8.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

150

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

8 8 BR 11-7-19

160



Small Fab

Memo

0.00

0.00

Small Fab

1-Install Nut Plates as per Dwg D3484

9/5/08/10 (8)

170



QC

QC5- Inspect part completeness to step on W/O

0.00

0.00

Quality Control

Memo

8 w/08/11

(48 LH)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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NOTE: Date & initial all entries

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Page 4

Item ID: D3484-041

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Stop



Item Name: Tail Light Fairing Assembly, LH

Start Date: 6/10/2011 Start Qty: 8.00



Cust Item ID:

Required Date: 6/22/2011 Req'd Qty: 8.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

180

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

0.00



Powdercoat

0.00

Powder Coating

Memo

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

9:15
9:32
9:45

8x Ø M 4/08/15

190

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

8 x Ø M 11/08/15

200

0.00



Packaging

Memo

0.00

Packaging

Identify as per dwg and Stock

Location 205

Identify on inside surface as indicated

TCCA-PDA,DART AEROSPACE LTD

P/N:D412-750-141 B/N:BXXXXX

FOR PRODUCT ELIGIBILITY SEE PDA06-13

11/8/15 80 SP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Page 5

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Item Name: Tail Light Fairing Assembly, LH

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Start Date: 6/10/2011 Start Qty: 8.00



Cust Item ID:

Required Date: 6/22/2011 Req'd Qty: 8.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

210

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

J wlos15

x8

14

220

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

n/8/16

CL110815

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Monday, June 13, 2011 12:46:02 PM

Page 1

Work Order ID: 70620

Parent Item: D3484-041

Parent Item Name: Tail Light Fairing Assembly, LH




Start Date: 6/10/2011

Required Date: 6/22/2011

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP Rev:A New Issue 06-04-11 JLM
IPP Rev:B 08-01-24 chg rivet to CR1122-3-025 DD verf:EC IPP Rev:C
11.03.07 added weld touch up DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3484-041P 		Purchased	No			110	Each	0.0000	1	8			
Tail light Fairing													
*MS21069-04 		Purchased	No			160	Each	82.0000	2	16			
ANCHOR NUT													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST302				82					
					113064			32					
					116823			50					
CR1122-3-02.5 		Purchased	No			160	Each	1.0000	4	32			
RIVET													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST291				1					
					114348			1					

M118462 (32x)

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

8

7

6

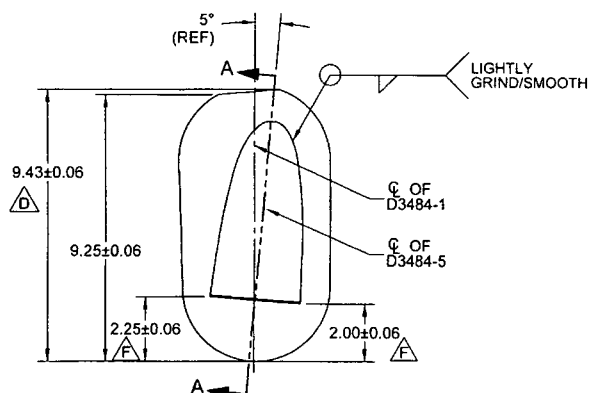
5

4

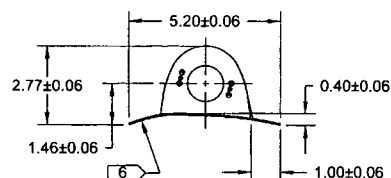
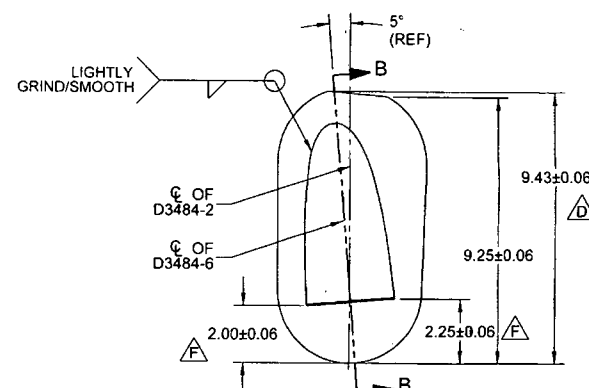
3

2

1



QTY -041	QTY -042	P/N	DESCRIPTION
X		D3484-041	TAIL LIGHT FAIRING ASSEMBLY (LH)
	X	D3484-042	TAIL LIGHT FAIRING ASSEMBLY (RH)
1		D3484-1	BASE (LH)
1		D3484-2	BASE (RH)
1		D3484-3	FACE (LH)
1		D3484-4	FACE (RH)
1		D3484-5	CONE (LH)
1		D3484-6	CONE (RH)
4	4	CR1122-3-02.5	RIVET
2	2	MS21069-04	ANCHOR NUT



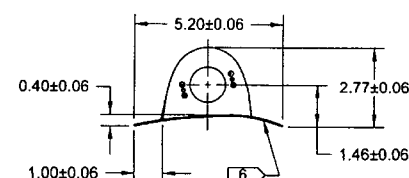
INSTALL MS21069-04
ANCHOR NUT
(2 PLACES)

SECTION A-A

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT

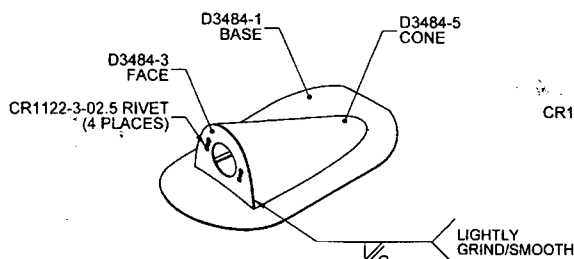
INSTALL MS21069-04
ANCHOR NUT
(2 PLACES)

SECTION B-B

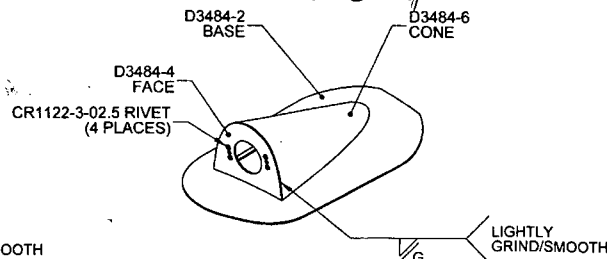


D3484-041 TAIL LIGHT FAIRING

D3484-042 TAIL LIGHT FAIRING



D3484-041 ISOMETRIC VIEW



D3484-042 ISOMETRIC VIEW

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) WELDING: PER DART QSI 004
- 6) IDENTIFICATION: IDENTIFY ON INSIDE SURFACE AS INDICATED WITH WHITE LABEL:
TCCA-PDA, DART AEROSPACE LTD., P/N D412-750-141/-142 B/N BXXXXX, FOR PRODUCT ELIGIBILITY SEE PDA06-13
- 7) WEIGHT: 0.30 lbs

RELEASED
9/24/2011

F	UPDATE MATERIAL SPEC, ADD 6061-0, ZN A7-2, A7-3, B3-4, UPDATE DIMENSIONS ZN C1-1, C2-1, C7-1, C8-1 UPDATE WELDING NOTE ZN A3-1, A6-1		09.03.31
E	REDRAWN/REFORMAT TO SHOW LH AND RH CONFIGURATIONS FOR CLARITY; CORRECT VIEWS ON SHEET 3 & 4 (WAS SHOWING MIRROR IMAGE OF PARTS); DIM 1.560 WAS 1.563 (SHEET 3, ZONE B4); CR1122-3-02.5 RIVET WAS MS20426AD3-3 RIVET	MB	08.01.03
D	CORRECT D3484-1F	MB	06.06.22
C	RE-DESIGN D3484-3F/-5F	MB	06.04.20
B	RE-DESIGN	MB	06.02.21
A	NEW ISSUE	MB	05.11.29
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV.
MFG. APPR.		D3484	SHEET 1 OF
APPROVED		TITLE	SCALE
DE APPR.		TAIL LIGHT FAIRING	1:
DATE	09.03.31	COPYRIGHT © 2005 BY DART AEROSPACE LTD	
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

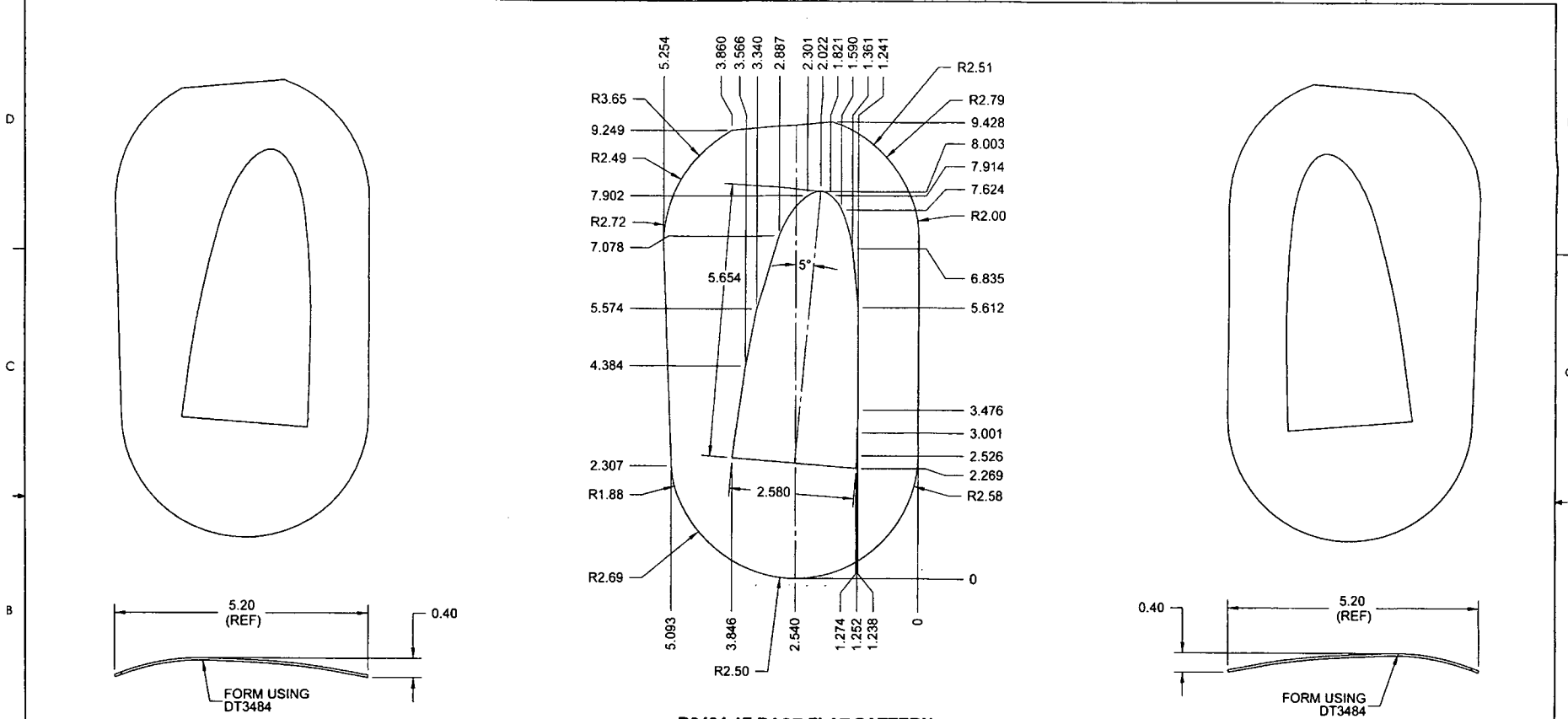
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

8 7 6 5 4 3 2 1



D3484-1F BASE FLAT PATTERN

D3484-1 BASE
(MAKE FROM D3484-1F)

D3484-2 BASE
(MAKE FROM D3484-1F)

- NOTES:**
- 1) MATERIAL: 6061-O ALUMINUM SHEET 0.050 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR
6061-T6 (OR 6061-T62) ALUMINUM SHEET 0.050 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
(REF. DART SPEC. M6061T6S.050)
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.16 lbs

w/o 70620

RELEASED
07/01/24/11

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. F
MFG. APPR.		D3484	SHEET 2 OF 4
APPROVED		TITLE	SCALE
DE APPR.		TAIL LIGHT FAIRING	1:2
DATE	09.03.31	<small>COPYRIGHT © 2006 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

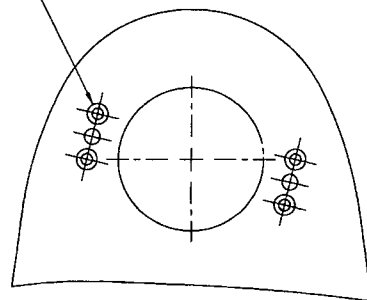
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

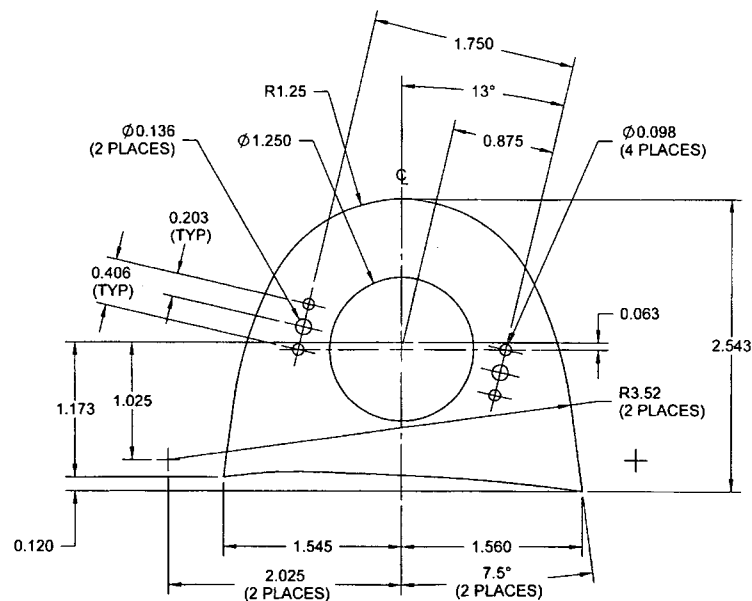
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

C'SINK
Ø0.181 X 100°
(4 PLACES)

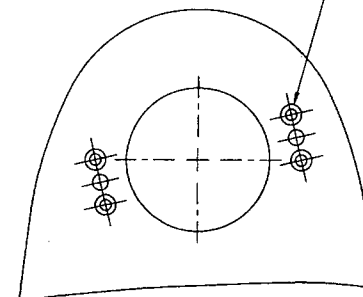


D3484-3 FACE
(MAKE FROM D3484-3F)



D3484-3F FLAT PATTERN TAIL LIGHT FAIRING

C'SINK
Ø0.181 X 100°
(4 PLACES)



D3484-4 FACE
(MAKE FROM D3484-3F)

NOTES:

- 1) MATERIAL: 6061-O ALUMINUM SHEET 0.050 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR
6061-T6 (OR 6061-T62) ALUMINUM SHEET 0.050 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
(REF. DART SPEC. M6061T6S.050)
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.02 lbs

w/o 70620

RELEASED
09/03/31

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. F
MFG. APPR.		D3484	SHEET 3 OF 4
APPROVED		TITLE	SCALE
DE APPR.		TAIL LIGHT FAIRING	1:1
DATE	09.03.31	<small>COPYRIGHT © 2005 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	

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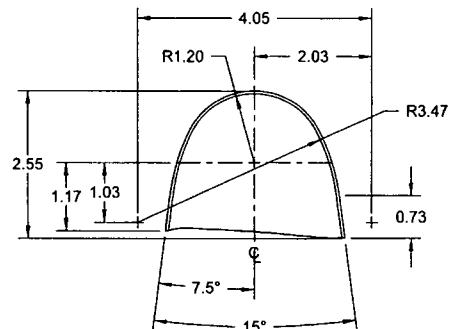
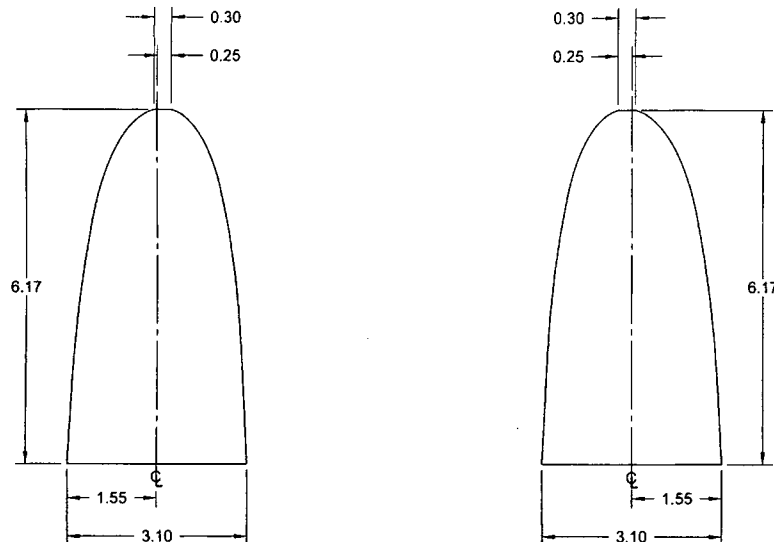
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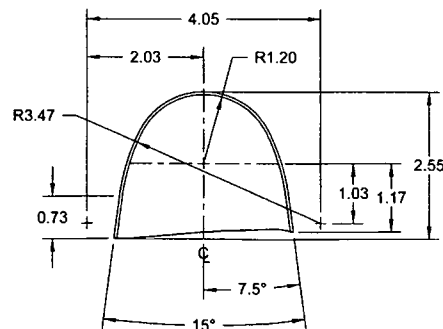
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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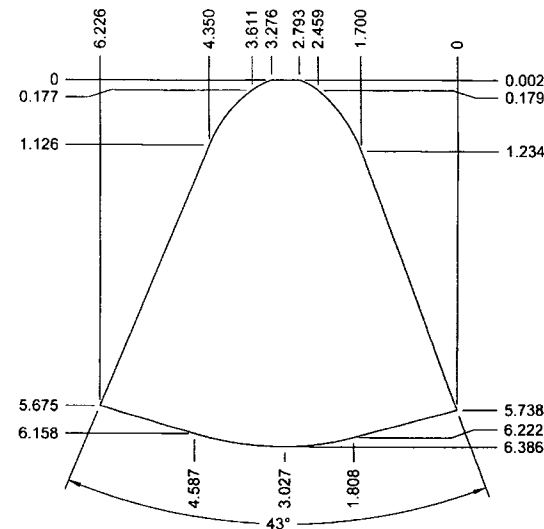
8 7 6 5 4 3 2 1



D3484-5 CONE
(MAKE FROM D3484-5F)



D3484-6 CONE
(MAKE FROM D3484-5F)



D3484-5F CONE FLAT PATTERN

- NOTES:**
- 1) MATERIAL: 6061-O ALUMINUM SHEET 0.050 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR
6061-T6 (OR 6061-T62) ALUMINUM SHEET 0.050 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
(REF. DART SPEC. M6061T6S.050)
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.11 lbs

RELEASED
01/04/24

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. F
MFG. APPR.		D3484	SHEET 4 OF 4
APPROVED		TITLE	SCALE
DE APPR.		TAIL LIGHT FAIRING	1:2
DATE	09.03.31	COPYRIGHT © 2005 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR THE DISSEMINATION OF INFORMATION TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

also 7062c

8 7 6 5 4 3 2 1

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO14274

Purchase Order Date 6/13/2011

PO Print Date 6/15/2011

Page Number 1 of 1

Order From :

VC-GFI001

GFI
180 AVENUE LABROSSE
POINTE CLAIRE, QC H9R 1A1
CA

Contact Name

Vendor Phone 514 630 4877

Vendor Fax 514 630 4849

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

REUSED \$ + dates

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D3484-041P	Tail light Fairing	7/7/2011 Yes	8.00 Each	FedEx PI collect	\$300.0000	\$2,400.00
		Special Inst:	AS PER DWG D3484 REV. F B70620 FORMED & WELD AS PER QSI 005 CHEMICAL CONVERSION, NUTPLATE AND POWDER COAT TO BE DONE AT DART				
2	D3484-042P	Tail Light Fairing	7/7/2011 Yes	10.00 Each	FedEx PI collect	\$280.0000	\$2,800.00
		Special Inst:	AS ABOVE B70619				

PO Total:

\$5,200.00

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 2

Change Date: 6/15/2011

CL
No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



180 AVENUE LABROSSE
POINTE-CLAIRE, QC, CANADA H9R 1A1
TÉL.:(514) 630-4877 - FAX:(514) 630-4849

GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.



BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE			N° DE BON DE LIVRAISON / SHIPPING MEMO NO.		PAGE
JR - DY	MO - MO	AN - YR			
12	07	11	0465795		1/1



VENDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

CODÉ DE CLIENT / CUSTOMER CODE	N° DE CONTRAT / JOB NO.	VOTRE N° DE COMMANDE / YOUR PURCHASE ORDER NO.	EXPÉDIÉ PAR / SHIP VIA
DART GFI-0299	0233148	PO14274	

QUANTITÉ / QUANTITY	N° DE PIÈCE / PART NO.	DESCRIPTION
8	D3484041P	TAIL LIGHT FAIRING
		CERTIFICATE OF CONFORMANCE REQ
	MFG. JOB# <u>JO233148-001</u> QTY <u>8</u>	

EXPÉDITEUR / SHIPPER	N° DE BON DE LIVRAISON / SHIPPING MEMO NO.



REÇU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION.
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

CERTIFICATE OF COMPLIANCE CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE
POINTE CLAIRE, QC
H9R 1A1

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO. <u>4</u>		OUR JOB NO <u>J0233148</u>		SHIPPING MEMO <u>0465795</u>	
ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME
<u>-</u>	<u>8 PCS</u>	<u>PO14274</u>	<u>D3484041P</u>	<u>F</u>	<u>TAIL LIGHT FAIRING</u>
MATERIAL		SUPPLIED BY		MAT. REL. NO.	
<u>AL 6061-T0 (AMS-QQ-A-250/11)</u>		<u>SAMUEL / AMAG ROLLING</u>		<u>62035/01</u>	

PROCESS	PROCESSOR	RELEASE NOTE #
1 <u>FIRST ARTICLE INSPECTION REPORT ON FILE</u>	<u>GFI</u>	<u>N/A</u>
2 <u>REF. GFI MANUFACTURING JOB NUMBER J0233148-001 (8 PCS)</u>		
3		
4		
5		
6		
7		
8		
9		

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 12 JULY 2011

G.F.I. Q.C. REP.



LES MÉTAUX SPÉCIALISÉS SAMUEL

Programme d'Assurance Qualité Enregistré / Registered Q.A. Program
ISO 9001:2008 + AS9100B

LETTRE DE CONFORMITÉ - LETTER OF COMPLIANCE

Date: MARCH 17th, 2011

Company Name: GFI Division of Thomas & Betts limited
Address: 180 avenue Labrosse
City: Pointe-Claire Qc
Zip Code: H9R 1A1

du client: 0078146

de commande SSMQ: 090675

Customer's order #:

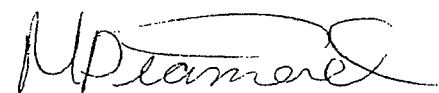
SSMQ's Order #:

La présente est pour certifier que le matériel détaillé ci-dessous est conforme aux exigences de votre commande et des normes du grade tel que décrit:

The following is to certify that the material listed below meets your order requirements and grade standards as described:

Notre/Our Item #	# de pièces/ # of pieces	Épaisseur/Grandeur Guage/Size	Alliage/Trempe Alloy/Temper	Spécification / Specification	Lot/Heat
01	1	.050" X 48" X 144"	6061 O	AMS-QQ-A-250/11	62035/01

Bien à vous,
Yours truly,







Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate – mill certificate

Nr.: 85344846 01 / 1
 Rev. 0

Seite / page: 1 von / of 2
 Datum / date: 2010 04 22

Zertifiziert nach / certified to ISO 9001, ISO/TS 18948, EN/AS 9100, ISO 14001, NADCAP

Auftraggeber / customer: Samuel Specialty Metals (QC) Div. of Sam. & Fils & Cie (Que.) Ltee. 2225 Av. Francis-Hughes CDN-H7S 1N5 LAVAL, QC Wareneempfänger / consignee: Samuel Specialty Metals 21525 Clark-Graham CDN-H9X 3T5 BAIE D'URFE QC Endkunde, Bestell-Nr. / Your cust., ord. no.:	Bestell Nr. / order no.: C62005 Datum / date: 2010 01 14
	Auftragsbest. Nr. / order confirm. no.: 608061 Datum / date: 2010 01 18
	Lieferschein Nr. / delivery note: 85344846 Datum / date: 2010 04 22
	Akkreditiv Nr. / letter of credit no.:

Produkt/product Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: O Dim. / dim: [inch]: 0,050x48,00x144,00 Kundenartikel-Nr / customer article no.:	Bedingungen/terms Techn. Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 07 AMS 4025L, 07.2008 Cessna CMMP019, Rev. D, 27 March 1991 Cessna CMMP025, Rev. R, 5 July 94 Sondervorschrift / special terms: standard grain
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AB-Pos. ord.-item.	BNr./Lot/Teil/Nr. Lot/Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
06	62035/01/00	01/0038457/0	6061	6080610004	2748,914 lbs	81
06	62035/01/00	01/0038457/0	6061	6080610005	2748,914 lbs	81
06	62035/01/00	01/0038457/0	6061	6080610006	2032,628 lbs	60

D177013
 D177014
 D177015

Chemische Zusammensetzung / chemical composition: [%] Gewichtsanteile / weight proportion											
Guss Nr. / cast no.	AMAG designation	Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Sonstige Element
01/0038457/0	6061										
	spec. min.		0,40		0,15		0,80	0,04			
	spec. max.		0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,15	0,05
	actual	97,28	0,74	0,42	0,23	0,11	0,88	0,18	0,06	0,06	0,02
	Sonstige Summe										
	spec. min.										
	spec. max.	0,15									
	actual	0,04									



Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate – mill certificate

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Zugversuch / Tensile test

BNr/Los Lot/No.	Zustand temper	Richtung direction	Tests		Rm [ksi]	Rp0.2 [ksi]	A2" [%]			
				spec.min.			16			
				spec.max.	22,0	12,0				
62035/01	O	LT	7	Min	16,2	8,8	25			
62035/01	O	LT		Max	16,5	9,0	30			
BNr/Los Lot/No.	Zustand temper	Richtung direction	Tests		Rm [ksi]	Rp0.2 [ksi]	A2" [%]			
				spec.min.	30,0	14,0	16			
				spec.max.						
62035/01	T42	LT	7	Min	35,2	17,0	20			
62035/01	T42	LT		Max	35,7	17,7	23			
BNr/Los Lot/No.	Zustand temper	Richtung direction	Tests		Rm [ksi]	Rp0.2 [ksi]	A2" [%]			
				spec.min.	42,0	35,0	10			
				spec.max.						
62035/01	T62	LT	7	Min	45,3	40,9	10			
62035/01	T62	LT		Max	45,7	41,2	11			

Sonstige Prüfungen / other Tests

Biegeversuch / Transverse bend test: OK.

Maßkontrolle / Dimensional Check: OK.

Oberfläche / Surface Inspection: OK.

Bemerkungen / notes

Zustand / temper T42+T62: Laborgeglüht / Laboratory temper

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.
We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkeschverständiger / factory specialist	E-Mail / e-mail
Klampfer Josef	josef.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.
Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling
Werkeschverständiger
ROL-Nr. 016